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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/614,482	07/07/2003	John C. Barker	200304224-2	7750

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EXAMINER

GRANT II, JEROME

ART UNIT	PAPER NUMBER
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2626

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Please find below and/or attached an Office communication concerning this application or proceeding.



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EXAMINER
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20050928

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Commissioner for Patents

Provided herein, is a copy of the Examiner's Amendment and the Interview Summary indicative of the Examiner's Amendment as discussed with Applicant's Representative on September 28, 2005.

JEROME GRANT II  
PRIMARY EXAMINER

Jerome Grant II

### **Examiner's Amendment**

Authorization for this examiner's amendment was given in a telephone interview with Rhys Merrett on September 28, 2005.

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

In the Claims:

33. (Currently Amended by the Examiner)      A method for selectively scanning a document under control of a scanning device operably associated with a memory, the method comprising the steps of: operating the scanning device during a single scanning operation to
- (i) automatically sense individual marker areas at predetermined locations in a region on a control sheet, each marker area located near an associated human intelligible representation of a scanning function control parameter,
  - (ii) respond only to the presence of a marking at one or more of said sensed marker areas and to correlate the sensed presence of a said marking with data stored in said memory corresponding to the scanning function control parameter associated with the marker area having the sensed marking; and

(iii) performing a scanning operation of one or more document areas associated with said control sheet to digitally encode scanned data content thereof in accordance with the scanning function control parameter associated with each respective marker area having a sensed marking; and performing at least a further operation independently of said scanning function control parameters on encoded scan data only from one or more of said document areas occupying less than the total document area scannable during said scanning operation.

41. (Currently Amended by the Examiner)      A method for selectively scanning a document under control of a scanning device operably associated with a memory, the method comprising the steps of: operating the scanning device during a single scanning operation to:

(i) automatically sense individual marker areas at predetermined locations on an instruction region of a control sheet that also includes a document support region, each marker area located near an associated human intelligible representation of a scanning function control parameter,

(ii) respond only to the presence of a marking at one or more of said sensed marker areas and to correlate the sensed presence of a said marking with data stored in said memory corresponding to the scanning function control parameter associated with the marker area having the sensed marking; and

(iii) performing a scanning operation of a document located on the document support region to encode scanned data contents thereof in accordance with the scanning function control parameter associated with each respective marker area of the instruction region at which a sensed marking is present and to store the encoded data in said memory;

wherein one of said scanning function control parameters is scan operable during said

scanning operation, and a plurality of marker areas on the instruction region are associated with human intelligible representations of the respective sub-areas of said support region occupying less than the total area of the document support region, whereby scan encoding during said scanning operation is determined by sensing markings associated with at least a selected one of said sub-areas; and performing at least a further operation on encoded scan data only from each sub-area.

46. (Currently Amended by the Examiner)      A method for selectively scanning a document under control of a scanning device operably associated with a memory, the method comprising the steps of:
- operating the scanning device during a single scanning operation to
- (i) automatically sense individual marker areas at predetermined locations in on a control sheet, each marker area located near an associated human intelligible representation of a control parameter, first ones of said marker areas associated with scan function control parameters and other ones of said marker areas associated with operation control parameters;
  - (ii) respond to the presence of a marking at one or more of said sensed marker areas and to correlate the sensed presence of a said marking with data stored in said memory corresponding to the control parameter associated with the marker area

having the sensed marking; and

(iii) performing a scanning operation of one or more document areas associated with said control sheet to encode scanned data content thereof in accordance with the scanning function control parameter associated with each respective first marker area having a sensed marking; and

in accordance with the operation control parameter associated with each respective other marker area having a sensed marking, performing at least a further operation on scan encoded data only from one or more of said document areas occupying less than the total document area scannable during said scanning operation.

50. (Currently Amended by the Examiner)      A method for selectively scanning a document under control of a scanning device operably associated with a memory, the method comprising the steps of:  
operating the scanning device during a single scanning operation to

(i) automatically sense first and second individual marker areas at predetermined locations in a region on a control sheet, each first marker area located near an associated human intelligible representation of a scanning function control parameter, each second marker area located near an associated human intelligible representation of an operation control parameter different from said scanning function control parameter;

(ii) respond only to the presence of a marking at one or more of said sensed first marker areas and to correlate the sensed presence of a

said marking with data stored in said memory corresponding to the scanning function control parameter associated with the first marker area having the sensed marking; and

(iii) performing a scanning operation over a document area associated with said control sheet to encode scanned data content thereof in accordance with the scanning function control parameter associated with each respective first marker area having a sensed marking; and

performing at least a further operation independently of said scanning function control parameters on encoded scan data of only one or more predefined document sub-areas, each sub-area having an area less than said document area, said at least one further operation performed in accordance with the operation control parameter associated with one or more second marker areas having a sensed marking.

51. (Currently Amended by the Examiner) A system including a scanning device and an operatively associated memory, the system comprising:

a document having a portion to be encoded;

a control sheet including an instruction region and a support region, said instruction region including a plurality of marker areas at predetermined locations of the instruction region, each marker area located near an associated human intelligible representation of a scanning device functional parameter, and a plurality of said marker areas on the instruction region are



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associated with human intelligible representations of control parameters including marker areas associated with first and second scan function control parameters and further marker areas associated with operation control parameters;

said scanning device operable during a single pass scanning operation over said control sheet to automatically sense and respond to the presence of markings at a plurality of said marker areas in the instruction region of the control sheet by correlating the sensed presence of a said marking with data stored in said memory corresponding to the control parameter associated with the marker area at which the sensed marking is located, and to perform a scanning operation in the document support region of the control sheet;

wherein first scanning function control parameters associated with first marker areas define one or more discrete sub-areas of the support region;

said scanning device operable during said scanning operation of the document support region to generate and store in said memory scanned data signals resulting from scanning data located in the support region, the scanning device operable to encode the scanned data signals in accordance with second scanning function control parameters associated with second ones of said marker areas associated with scan function control parameters at which the presence of a marking is sensed during scanning of said instruction region; and

wherein said system is operable to perform at least one operation under control of an operation control parameter associated with a said further marker area having a sensed marking using stored encoded scan data from one or more discrete sub-areas in the document support region defined by a second scan function control parameter.

54. (Currently Amended by the Examiner) The system of claim 51, wherein the scanning device is configured to scan a region larger than the or each said sub-area and to pare data from a resulting data set to eliminate data corresponding to areas of said support regions outside the or said sub-area.

55. (Currently Amended by the Examiner) The system of claim 51, wherein each sub-area is also marked by a border.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jerome Grant II whose telephone number is 571-272-7463. The examiner can normally be reached on Mon.-Thurs. from 9:00 to 5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kimberly A. Williams, can be reached on 571-272-7471. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

JEROME GRANT II  
PRIMARY EXAMINER  
J. Grant II